



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

136 Main Street, Suite 401
New Britain, Connecticut 06051-4225
Phone: 827-7682

Petition No. 329
Metro Mobile CTS of New Haven, Inc.
New Haven, Connecticut
Staff Report
August 30, 1993

On August 24, 1994, Chairman Mortimer A. Gelston of the Connecticut Siting Council (Council) and Robert K. Erling of the Council staff met David S. Malko, Sandy M. Ranciato, James Smith, and Kenneth Cloutier of Metro Mobile CTS of New Haven, Inc. (Metro Mobile) for a review of the proposed cellular telecommunications facility at 153 Forbes Avenue in New Haven, Connecticut.

Metro Mobile proposes to install 12 panel-type antennas on a building which was formerly a church but is now a plumbing supply business. The antennas measure approximately 35 inches in height, 12 inches in width and five inches in depth. The antennas would be installed on the former bell tower of the building, approximately 72-feet above ground level. Four antennas would be attached to the northeast face, four attached to the southeast face, and four would be attached to the west corner of the bell tower. The panel antennas would be painted to blend with the exterior stone face of the building. The tops of the antennas would not extend above the top of the building. A 20-foot guyed tower stands on the roof of the building, but is not currently in use. A lighted billboard is attached to the roof on the west side of the building. This building is listed on a survey of historic structures prepared by the City of New Haven.

Metro Mobile would install a 12-foot by 25-foot single story equipment building to the rear of the existing building. No tree clearing would be required. The equipment building would be surrounded by an eight-foot high chain link fence.

The proposed facility is required to off-load excess capacity in the area, which is near the intersection of I-95 and I-91.

The maximum (i.e., "worst case") radio frequency power density calculations, assuming 19 channels operating simultaneously at 100 watts effective radiated power in an omnidirectional pattern at the closest occupied floor of the building, which is approximately 50 feet below the proposed antenna mounting point, indicate that the cellular antennas would emit 0.0107 milliwatts per square centimeter or 1.8 percent of the current 1991 ANSI Standard. The roof of the building is not accessible to the public. At the closest publicly accessible point to the transmit antennas, the parking area adjacent to the building, the power density level would be 0.132 mW/cm², which is 22.6 percent of the ANSI Standard.

Robert K. Erling
Senior Siting Analyst

RKE/ss
staff.doc pg 10